January 13, 1989 Issue 470

DXpedition News

Mellish Reef - VK9Z The **VK9ZM** DXpedition (OC-72) fired up on schedule. On CW, they've been 20 kHz up, listening 4-5 kHz higher. On SSB, 3795, 14195, 21195, and 28495 kHz are been used, usually listening up 10-20 kHz. On the West coast, one of the best openings has been the pre-dawn long-path opening on 40 meters. 20 meters late at night has also been productive. Sunrise 1908Z, sunset 0815Z. QSL NM2L.

Willis Island - VK9 The VK9ZM crew moves over to Willis (OC-07) as **VK9ZW** after the Mellish operation, around Jan. 16, for a few days.

Faroe Islands - OY Stan W7AWA will operate **OY/** Feb. 6-11, mainly on 160 meters, CW only. Main frequency is 1835 kHz, listening 1825 kHz when necessary. QSL home call with SASE, or via bureau. Skeds accepted prior to Jan. 25. Sunrise 0840Z, sunset 1645Z.

Edited by Chod Harris VP2ML

The DX Bulletin

America's Premier Weekly Amateur Radio Publication

Congo - TN Tom Gregory 9Q5NW plans to return to **TN4NW** Jan. 20-22, if his work duties permit. If he can't make that weekend, he'll make his last TN4NW operation before the end of February. He says, "I plan on continuing use of the computerized logging program which identifies previously logged stations. If the station is already in the log for that mode and band, I will not log it again." The computer data base contains the QSOs from his previous TN4NW DXpeditions, so DX hogs, beware! Tom plans 10-40 meter operation, maybe some 80 meters if he can string an antenna across the street, and the noise level is moderate. 75% SSB, 25% CW. QSL information on Page 2.

Barbados - 8P Davis K1COW will be on as **8P9AY** (NA-21) Jan. 11-Feb. 4, on 160-6 meters. QSL home call.

Reserve Your Island

▪ Art Phillips NN7A returns to Belize as **V31JZ** for the ARRL CW test, single-op, all band. Dates are Feb. 17-25. QSL hone call (Box 201, Flagstaff, AZ 86002.)

Shortly Noted

▪ A joint US-USSR expedition is set to start Feb. 6, in Pevek, in eastern Siberia. Look for **UA0SU** from the island of Ayon (AS-38), and **UA0SU/1** from the base station in Pevek. Despite the callsign, this is Oblast 139, UA0K. The group plans an award for working them on several bands.

▪ Two new stations on Amsterdam Is. (AF-02) are **FT4ZY** and **FT4ZE**. They've been on 14033 kHz around 0120Z. Dany **FT5ZB** has left the island.

▪ **FT8ZA** no longer uses F6FNU as QSL manager. QSL direct to Jean Claude Dehouillère, B.P.1, 13898 Aix en Provence Armée, France.

▪ RA9YD says he knows nothing about the **XT9T** station that gave out his call as QSL manager.

▪ **VP2E/KB0AQB** is ex-V47NXX. He was very active from Nevis, so look for lots of activity from Anguilla, especially after he gets his VP2E call.

▪ **TU4CO**, who is very active 10 kHz up on CW, and 3501 kHz at 2300Z, collects stamps, especially mint ones.

▪ **ZD8BOB** QSLs to Box 2, Ascension Island, South Atlantic. He says IRCs are no good; send US$1 instead. Try 21010 kHz at 2000Z and 28010 kHz at 2200Z.

▪ On the other hand, **AP2NK** says it's illegal to receive currency in the mail in Pakistan, and asks for 3 IRCs.

▪ **A41KP** (ex-A4XKP) likes 28520, 21320, and 14220 kHz. QSL DL7FT with large envelope. Omani stations are workable long path from the East coast on 20 M SSB around 1230-1300Z, and from the West coast around 1600Z.

▪ For India, East coast DXers should try the long path at local sunrise on 20M, and West coast around 0200Z on 20.

▪ Regulars (callsign, frequency or band, UTC): **KX6DC** 1832 1220Z (east), 0700Z (west), 3507 1300Z, and 7010 1530Z; **9Q5NW** 21250 1930Z; **RB5CU** 1833 0400Z; **HZ1AB** long path 3506 0430Z (west) and 10M SSB 1330Z; **5B4OA** 75M 0200Z and 24897 1400Z; **VK6LK** long path at East coast sunset; **SV0CR** 7005 2145Z; **UG6GAW** long path 7005 1400Z; **9Q5DX** 14010 0030Z; **BY9GA** 14026 0045Z; **UI8CD** 20M SSB 0400Z; **S92LB** 21284 2100Z; **7X2AX** 28005 1700Z; **BY4RB** 28030 2330-0030Z; **HV3SJ** 10M SSB 13-1600Z; **YI1BGD** 10M SSB 1330Z; **YJ8NJS** 28500 0030Z; and **ZC4AB** 28500 1330Z.

▪ Islands On The Air: Europeans look for West coast islands at 16-1700Z on 28750 kHz. Any Catalina (NA-66) available? **FO5BI** is scheduled to operate /p from Takaroa (OC-??) through Jan. 28. QSL FD6HSI.

▪ RTTY: **FR5ZD** 14075 ARQ 0320Z; **TU4MA** 14095 0830Z; **RL8PYL** 21091 0900Z; **SV9AKD** 14074 2130Z; **EA8RA** 14087 0345Z.

▪ SSB check-ins: 20M 6W2EX UA1OT TU2JL 9M2AX JX1UG UA1OIL ZD8RP 5T5NH EA9PB ZD9BV 9X5NH 3D2ER 6T2MG; 15M EA9KQ 3B9FR 5H3RB 7P8CI TZ6MG FH4EE.

Propagation

Forecast and Historical Data

Day	Forecast	27 Days Before			55 Days Before			
January 1989		Date	Flux	A K	Date	Flux	A	K
13	Below Normal	12/17	250	25/33 5	11/19	156	07/04	0
14	Low Normal	12/18	253	21/23 3	11/20	147	03/03	0
15	High Normal	12/19	249	17/20 3	11/21	157	05/06	1
16	Above Normal	12/20	252	06/07 2	11/22	150	03/06	1
17	High/Above	12/21	252	11/12 2	11/23	139	01/05	0
18	High/Above	12/22	255	11/11 1	11/24	142	02/05	1
19	Above Normal	12/23	245	01/07 0	11/25	143	04/07	2
20	Above Normal	12/24	229	03/06 0	11/26	142	13/18	2
21	High/Low	12/25	220	19/20 3	11/27	145	09/11	2
22	Low Normal	12/26	201	28/23 3	11/28	142	09/10	2
23	High Normal	12/27	212	15/20 3	11/29	143	07/09	1

Propagation Watch

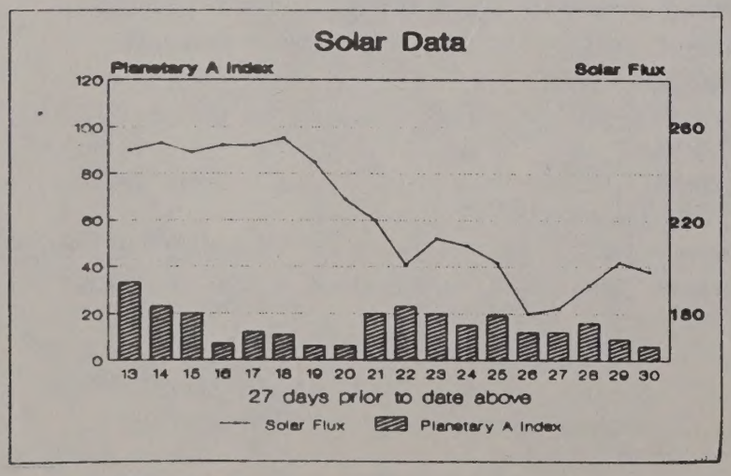
Solar flux soared to a Cycle-22 record of 268 last week, thanks to several very active sunspot regions. Regions 5312 and 5301 are among the largest and most active groups we have seen this sunspot cycle. In addition to boosting solar flux above 260, they have also produced dozens of solar flares, some in the X class, the most energetic.

Several very active solar regions are due to return to the visible side of the sun in the next 10 days, so we can expect the solar flux to remain very high. 6 meters opened almost daily in late December, and we may see these openings again in January. Monitor 28885 kHz for 6-meter news.

The increase in solar activity has also disturbed the geomagnetic field, up to minor storm levels at times. The geomagnetic field tends to become more active about two days after a major solar flare. When the 18-minute-after-the-hour propagation report of WWV mentions a flare, look for deteriorating band conditions over the next two days.

The higher bands will gradually improve over the next two months, as the days get longer in the Northern hemisphere. Meanwhile, the low bands are providing some good DX, especially at sunrise and sunset. Serious DXers are finding the long path particularly productive at local sunrise. East coast DXers work Asia and the Middle East, and West Coasters have a good path into Europe and the deep Russians. Both 20 and 40 meters are open long path at local dawn. (30 meters is open too, but without activity!) Low-band DXers will also find that the grayline propagation offers some choice DX, including the long path on 80 meters.

10-20 meters continue to provide excellent daytime openings, starting in the northeast in the early morning, and swinging south and west into the afternoon. 10-15 meters usually close at local sunset, but 20 meters stays open into the early evening.



More Plaques in CQWW 160 M Contests

CQ Magazine has announced that they will offer three additional plaques in their CQWW 160 meter contests in January and February. Reacting to complaints that the East coast has a virtual lock on the USA plaque, *CQ* says they will award a plaque to the top score in each of the three zones in the US: 3, 4, and 5, in addition to the USA plaque.

This will give West coast and Midwest stations an incentive to participate seriously in the tests. Plaques will be awarded in both the CW test Jan. 27-19, and the SSB test Feb. 24-26. The usual two-year eligibility rule will apply, and the plaque will go to the runner-up in the zone with the top USA score.

Clubs and individuals interested in sponsoring any of these plaques should contact the 160-meter contest director: Don McClenon N4IN, 3075 Florida Ave., Melbourne FL 32904.

Oregon DX Packet Spotting Node

Another DX packet spotting node is up and running with AK1A's popular PacketCluster software. (Pavillion Software, Box 803, Hudson MA 01749.) The **KO7N** node is located near Eugene, OR, and serves the central Willamette Valley as far north as Salem. Frequency is 144.93 MHz, and DXers can use WJ7R and WJ7S as digipeaters.

Help Wanted

Fred Laun K3ZO passes along the following requests for assistance:

1) Tony Cefai 9H4A needs a good source for two 6146B tubes. Contact Tony at 16 Main Gate Street, Victoria, Gozo, Malta.

2) Nanang Abdulrachman YB7WH is looking for a used 1987 ARRL *Handbook*. He'll pay the shipping costs. Contact him at P.O.Box 219, Balikpapan 76112, Indonesia.

3) Ling, operator at BY4WNG, is looking for an antenna book. Any kind, any year. His address is P.O.Box 1827, Nanjing, China. BY4WNG is the club station at the Nanjing Institute of Technology.

African DX News

from Tom Gregory N4NW/9Q5NW

Dick **9Q5DX** is on CW almost daily from Kinshasa. **9Q5AA** runs packet on 10 meters with his C-64. Bernie HB9CVX has been operating **9Q5NW**'s station on weekends, working primarily European DXers in German and French. Tom has installed a 5-element yagi for 6 meters at his station. He runs 50 watts with an SB-110 on 6. Tom has also installed a 4-element 12-meter beam, and expects to be active on that band as well. Watch 50110 kHz and 24950 kHz, as well as the 6-meter coordination frequency of 28885 kHz.

Tom still expects to operate CW from the Central African Republic as **TL8TG** later this year. He'll be on after work: 1600-2300Z.

QSL all of Tom's contacts to AL7EL, 1988 or 1989 *Callbook* address only (Sam Harrell, 669 McCullough Rd., Stockbridge GA 30281.) Cards sent via the bureau (to N4NW only, not to the KL7 bureau) won't be processed until Tom returns to the US late in 1989.

B . A . N . D . P . A . S . S

*Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet.*
All "portable" calls listed with country of operation first, regardless of format used on the air.

RTTY

5N9SRC	14089	0014	29	CO
5U7XX	14086	0111	27	NH
6W6JX	14086	2345	28	OH
CE3MSK	28087	2103	24	ND
CT1BT	14075	2257	28	WA
CT1WN	14094	1949	27	NH
CX5BX	28078	2352	28	WA
EA8BIN	21086	1750	6	CA
EA8BQI	14075	2235	28	WA
EO1	14096	1520	29	ND
FE1JQF	21096	1900	11	OH
GM3ITN	14090	1640	29	WA
OE3BOG	28093	1612	19	OH
OZ9LE	28086	1545	29	ND
SP3SUN	14082	1750	6	CA
U5JZ	14095	1530	29	ND
VK9NS	28083	2310	26	ND
YO6JN	14093	1540	29	ND

160 Meters

CO2PY	1832	0510	2	VA
DJ6RX	1824	0630	2	WA
HK0HEU	1840	0447	2	WA
J52US	1827	0025	3	MA
KH6CC	1833	0501	1	MA
KX6DC	1832	0722	2	WA
OK1DOT	1828	0153	30	VA
RB5CU	1834	0540	3	WA
SV1NA	1836	0538	29	VT
UW0LBW	1908	1534	2	WA
VK5KL	1835	0219	30	VA
VK6ABL	1831	1314	28	TX
Y33VL	1833	0400	2	WA
YU2TW	1829	0145	30	VA
ZK1WL	1837	0526	29	WA
ZS5BK	1827	0257	29	MA

80 Meters

7P8DX	3501	0310	2	IA
7X4AN	3502	2130	2	NH
9M2AX *	3503	2205	27	MA
9Q5DX	3503	2315	1	NH
BY4WNG	3502	1403	4	WA
FH4EE	3511	0245	27	MA
HZ1AB *	3506	1430	1	WY
JA1CGM	3505	1030	26	NH
KX6DC	3508	0654	25	FL
LU8EIN	3508	0426	29	MT
OK1ALW	3504	0620	30	WA
OK2RZ	3503	0454	1	MO
RA9HO *	3502	1150	3	MD
RB5EJ	3516	0242	2	FL
RL9MM	3502	0230	29	MA
SU1EE	3505	0425	1	IA
SU1EE	3502	2135	2	NH
TA4A	3501	0124	28	NY
TU4CO	3501	2253	27	VT
UA0ZAJ	3502	1324	28	MO
UA9CBM	3502	0216	28	NY
UA9HK *	3503	1223	26	NY
UA9LU *	3502	1200	30	MA
UA9SEZ	3501	0346	3	MD
UG6GAW	3502	0415	29	NY
UL7MBL	3501	0146	28	MA
UO4OR	3511	0315	3	IA
UP2BIP	3507	2145	3	MA
VU2IN	3502	1532	1	WA
YJ8NJS	3505	1145	30	MA
YL2KZ	3503	0158	31	MA
YL2VZ	3511	0231	2	FL
ZS4TX	3513	0348	29	NY

75 Meters

3DA0AH	3794	0315	28	VT
5B4OA	3792	0200	31	MA
5T5CK	3799	0607	30	NH
9K2RA	3794	0153	30	MD
D44BC	3794	0620	29	VT
EA6SX	3797	0223	31	NH
FT3TF	3792	0257	3	MA
GI4BGB	3797	0030	1	AZ
JA6XMM *	3793	2135	28	MA
OD5VT	3789	0353	3	MA
OX3ZM	3789	0353	3	MA
VK6LK *	3798	2120	29	MA
ZS1RL	3800	0350	27	CO

40 Meters

7D8IAN	7003	0026	27	FL
7X3DA	7005	0623	25	CT
7X4AN	7018	2336	2	MA
9M2AX *	7004	1048	26	MD
9Q5DX	7011	0007	21	NY
A41JZ	7009	0040	23	FL
BV2A	7004	1155	21	NY
BY0AA	7003	1210	25	MA
BY4AA	7004	1230	25	FL
CE0OGZ	7006	0245	3	WA
EA9GK	7014	0249	31	MT
GW3YDX *	7008	1526	1	ID
OY3QN *	7005	1500	31	CA
SM7CRW	7159	0850	24	CA
SV0CR	7007	2145	31	VA
TA2B	7015	1500	25	CA
TU4CO	7015	2240	1	WV
UA1O/ UA0BEZ	7003	1126	20	NY
	Franz Josef Land			
UA1OIL	7001	1227	28	MA
	Franz Josef Land			
UG6GAW	7008	1500	31	CA
UG6GAW *	7009	1354	1	IL
UM8TAF	7007	0250	3	WA
VQ9QM	7004	1522	28	WA
VQ9QM *	7005	1440	28	ID
VS6DO	7003	1226	29	MA
ZD8IAN	7003	0037	26	CT
ZD8JP	7007	0121	26	FL
ZL7TZ	7009	1430	29	CA

30 Meters

GW3KFA	10103	2147	23	CT
JG6MQI	10107	2205	25	CT
OH1SJ	10103	2048	23	CT
OZ4ZO	10103	2223	23	CT
SM3JBE	10107	2215	25	CT
VK3NC *	10103	2203	26	FL
ZF2FK	10104	1059	2	WV
ZS1QD	10107	0209	27	GA

20 Meter CW

3B8FQ	14010	0138	3	MD
4S7CF	14018	0128	27	FL
4S7SX	14008	0140	3	MD
5N0SKO	14026	2225	25	FL
9J2AL	14023	0109	2	MD
9M2LE	14009	1135	1	MD
9Q5DX	14008	0024	1	MT
9V1XR	14010	1306	26	MD
9X5AA	14010	2125	27	FL
A41JZ	14009	0341	29	CA
BY9GA	14028	0045	27	PA
FT4ZE	14013	1540	2	CA
FT4ZE	14032	0123	27	NJ
HL1CG	14008	0140	3	MD
PY0FF	14026	2147	24	GA
RH8AA	14024	0400	29	WA
RV0YF	14011	0210	25	FL
	Zone 23			
SU1EE	14027	1553	2	AZ
UA0YAG	14005	0145	22	OR
UA0YD	14007	0037	27	FL
UA0YO	14007	0020	27	PA
UD7KWB	14042	0510	26	WA
UI9AAB	14030	0545	22	AZ
UI9ACQ	14021	0504	27	FL
UL7VA	14016	0237	24	MA
UL7VBF	14031	0250	2	WA
VS6UW	14004	1440	20	IL
Y88POL	14016	2242	23	CT
	Antarctica			
Z21HD	14015	2303	27	IL
ZD8BOB	14010	2040	28	FL
ZD8JP	14013	0045	27	NH

20 Meter SSB

3B8CF	14267	0313	23	AL
3D2HO	14227	0442	28	CA
3DA0AH	14240	0502	27	CA
4S7EA	14176	0155	24	MA
4S7NMR	14196	0129	3	CT
5N0AIP	14183	2152	27	NH
5N8KBM	14183	2215	23	AL
9M2CW	14188	2357	25	CT
9N1MM	14221	1220	3	AL
A41KJ	14171	1307	27	TN
A42KN *	14190	1300	24	NH
A47RS *	14218	1552	31	MT
A61AB	14225	1955	25	FL
BY4SZ	14187	0150	28	PA
D44BC	14219	0317	27	MA
EP2DL	14181	1504	2	WY
EP2HZ *	14155	1328	28	TX
EP2MKN	14215	1313	23	IN
HZ1AB *	14176	1344	29	TX
KC4AAA	14232	0334	31	MD
UI8CD	14233	0345	21	AL
UI8QZ	14223	0411	24	MA
UI8ZAC	14188	0404	24	MA
UL7JC	14245	0234	28	MT
UM9TWA	14231	0434	24	GA
VR6MW	14201	0141	29	NC
VS6DO *	14165	1311	3	NH
VU2AK *	14188	1239	30	MA
VU2DVP *	14165	1234	3	NH
VU2YL	14188	0152	3	CT
YI1BGD *	14215	1613	31	MT
ZD8RP	14164	0200	26	MA
ZD9BV	14183	0730	31	FL

15 Meter CW

3A0JD	21032	2000	23	NH
4U1VIC	21030	1723	27	NY
9Q5DX	21007	0115	21	CA
A41JZ	21003	1804	2	AL
A45ZK	21038	1625	27	NH
SU1EE	21018	1610	25	FL
UA1O/ UA0BEZ	21028	2150	28	MD
	Franz Josef Land			
UA1OIL	21014	2100	27	FL
UJ8XDH	21028	1344	24	CT
YJ8NJS	21019	0334	31	CA

15 Meter SSB

5H3RB	21335	1903	29	WY
6W1AAD	21265	1812	3	MA
8J2DX	21230	1444	5	MA
9L3AY	21275	1601	5	MA
9Q5AA	21368	2158	28	CO
9Q5NW	21250	2017	29	NH
HV3SJ	21284	1626	28	TX
JW6VDA	21256	0040	25	CA
S92LB	21283	2118	2	CT
TL8HW	21230	2013	31	AL
TR8RLA	21313	2148	28	CO
VU2HI	21230	1423	5	MA
ZD9BV	21250	2045	29	MA

12 Meters

5B4OG	24897	1420	27	NH
9K2DR	24954	1325	25	CT
KH6CLV	24940	0035	26	MA
OK1DVO	24900	1452	24	CT
TU4CO	24904	1739	31	CA
VK1FT	24910	1935	24	NH
VU2ZAP	24900	1437	24	CT

10 Meter CW

5H3GW	28027	1915	28	MA
6W7OG	28020	1700	2	AL
7X2AX	28005	1650	27	NH
9X5AA	28015	2018	21	FL
A41JZ	28007	1323	29	MA
BY4RB	28027	2337	2	CA
D68JL	28029	1601	2	AZ
HK0BKX	28015	1326	30	GA
P29PL	28006	0042	1	IL
P29PL	28013	2150	26	WA
SU1EE	28036	1500	1	IL
VK9NS	28085	2255	26	WA
YN3CC	28035	1648	31	MT
ZD8BOB	28005	1710	1	IL
ZS3BI	28025	2015	22	OR

10 Meter SSB

3B9FR	28530	1445	30	MD
3DA0AH	28607	1630	25	IL
5H3RB	28521	1800	23	OH
5V7WD	28510	1257	1	VA
6W1AAD	28467	1856	26	MA
7X2VLK	28523	1321	26	MA
9J2AL	28542	1745	26	CA
9J2BO	28430	1455	2	AL
A22RA	28383	1407	25	IN
BV2A	28530	0002	26	FL
CN8ST	28595	1801	27	MT
D44BC	28525	1834	1	MA
D68MG	28467	1415	1	MD
EP2DA	28531	1428	28	MD
FH4EE	28482	1248	26	NH
H44GP	28520	2228	30	IL
H44MB	28537	2252	1	WY
HK0HEU	28508	1410	31	FL
HV3SJ	28449	1617	2	CA
HZ1AB	28499	1320	28	MD
J52US	28655	1400	26	MA
JY9LC	28442	1453	2	MD
KH0AC	28575	2259	31	NJ
P29SR	28602	0047	26	NJ
PZ1AR	28525	1930	26	MA
SO7TN	28541	1348	30	IL
TA3C	28560	1333	24	OH
TZ6FIC	28498	1700	2	WA
V85GA	28476	2330	1	IL
YI1BGD	28508	1321	28	MD
YJ8NJS	28502	0025	2	CA
Z21GO	28606	1426	2	IL
ZC4AB	28486	1326	2	MD

6 Meters

F6BSJ	50097	1550	25	IL
G4GLT	50097	1544	27	IL
GW4LXO	50097	1444	25	IL
J52US	50090	1835	26	NJ
JA8ISU	50113	2258	21	GA
KH6HI	50110	1855	27	CA
PA3DOL	50097	1451	25	IL
PZ1AP	50107	1426	18	GA
VK2QF	50110	0235	1	CA
VK5BC	50105	0200	31	CA
ZL2KT	50100	0210	1	CA

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Calendar

Issue 470 - January 13, 1989

(Changes and hot info in **boldface**.)

Algeria - 7X	7X2AX 28005 1700Z	I470
Amsterdam Is. FT-Z	FT4ZE and FT4ZY now	I470
Anguilla - VP2E	VP2E/KB0AQB on CW	I470
Antarctica	KC4AAA 14240-250 04-0600z	I463
	Y88POL 20M SSB 0030Z	I466
Armenia - UG6	UG6GAW 7005 LP 1400Z	I470
Aruba - P40	P40T M/S ARRL SSB	I467
Ascension - ZD8	ZD8JP active now for 6 months	I469
	ZB8BOB 28010 22Z, 21010 20Z	I470
Bahrain - A9	A92BE 3795 kHz 0130Z	I468
Barbados - 8P	8P9X ARRL CW, SSB	I469
	8P9AY Jan. 11-Feb. 4	I470
Central Africa - TL	TL8HW 21230 kHz 2000Z	I469
China - BY	BY4RB 28030 kHz 2330-0030Z	I470
	BY9GA 14026 kHz 0045Z	I470
Congo - TN	TN4NW Jan. 20-22	I470
Egypt - SU	SU1EE 7026/7005 kHz 00, 0430Z	I468
	SU1EK 28600 1300Z	I467
Faroes - OY	OY/W7AWA 160M Feb. 6-11	I470
Guinea-Bissau - J5	J52US 21313 2000Z	I469
Hong Kong - VS6	VS6DO 1826/3504 1145Z	I468
India - VU	Low Bands Jan. weekends	I468
	20M LP sunrise (E), 0200Z (W)	I470
Irag - YI	YI1BGD 10M SSB 12-1400Z	I469
Ivory Coast - TU	TU2JL 14180 kHz 0500Z	I469
	TU4CO 3501 2300Z	I470
Jan Mayen - JX	JX1UG 1837 1800Z weekends	I469
Laccadives - VU7	before March 30	I465
Lebanon - OD	OD5VT 3793 0300Z or 2100Z	I467
Malagasy - 5R	5R8AL late January	I466
Marion Is. ZS8	ZS8MI April 1989	I465
Marquesas - FO	FO0FB early March	I467
Marshall Is. - KX	KX6DC 1832 1220Z (E) 0700 (W)	I470
Mauritius - 3B	3B8CF 14033 kHz 0350Z	I469
Mellish Reef - VK9	VK9ZM by VE3IEO Jan 7-16	I464
	1827/32 kHz on 160	I467
	20 upon cw, 3795 7055 14195	I469
Montserrat - VP2M	VP2M/F2JD now on CW	I466
	VP2MU SSB by AA4NC	I467
Mozambique - C9	C9MKT Jan. 13-15, 21335 1800Z	I467
	14195 1600Z, 28595 1430Z	I466
Netherlands Antilles	PJ9JT Jan. 10-April	I468
Ogasawara - JD1	JA3EMU/JDI Jan 12-14 160-40	I469
Oman - A4	A41KP 28520, 21230, 14220	I470
	20M LP 1230Z (E), 1600Z (W)	I470
Rwanda - 9X	9X5AA 28015 2000Z	I469
St. Vincent - J8	J8DX ARRL CW, SSB	I467
Sao Tome - S9	**S92LB 21284 2100Z**	I470
South Shetlands	**EA0BAE Jan 10-Apr 10**	I465
	7 up on CW, 7043, 14233, 21245	
	LU2ZC on CW now for a year	I469
Sudan - ST	ST2KR 20M CW 2200Z	I466
	ON6BC/ST4 25 kHz up, 3500	I466
Trisan da Cunha - ZD9	ZD9BV 28466 kHz 1600Z	I467
Turkoman - UH	UH8AAC 20M SSB 0145Z	I467
Turks & Caicos - VP5	VP5/G0AZT, AA5AU Jan. 12-19	I466
	K2PZ, N2FGE, KN2N Feb. 4-11	I468
UK Sovereign Bases	**ZC4AB 28500 kHz 1330Z**	I470
Vanuatu - YJ	**YJ8NJS 28500 kHz 0030Z**	I470
Vatican - HV	HV3SJ **10M SSB 13-1600Z**	I470
West Malaysia - 9M2	9M2AX 3503 2230Z	I469
Willis Is. - VK9	**VK9ZW Jan. 17-20**	I470
Zaire - 9Q	9Q5DX **14010 kHz 0030Z**	I470
	9Q5NW 21250 1930Z	I470
Zone 23 - RV0Y	RV0YF 20M CW 00-0200Z	I467

DX Activities and Contests

Date	Event or Activity	Info
Jan. 27-29	CQWW 160 Meter CW Contest	CQ
Feb. 18-19	ARRL CW DX Contest	QST
Feb. 24-26	CQWW 160M SSB Contest	CQ
Mar. 4-5	ARRL SSB DX Contest	QST
Mar. 18-19	BARTG Spring RTTY Test	CQ

Contributors

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